

Interview Summary	Application No. 10/806,440	Applicant(s) OZAKI, KOZO	
	Examiner Sikyin Ip	Art Unit 1742	

All participants (applicant, applicant's representative, PTO personnel):

- (1) Sikyin Ip. (3) _____
 (2) R. Eugene Varndell, Jr.. (4) _____

Date of Interview: 04 October 2005.

Type: a) ☐ Telephonic b) ☐ Video Conference
 c) ☒ Personal [copy given to: 1) ☐ applicant 2) ☒ applicant's representative]

Exhibit shown or demonstration conducted: d) ☐ Yes e) ☐ No.
 If Yes, brief description: _____

Claim(s) discussed: All.

Identification of prior art discussed: All.

Agreement with respect to the claims f) ☒ was reached. g) ☐ was not reached. h) ☐ N/A.

Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: ***

(A fuller description, if necessary, and a copy of the amendments which the examiner agreed would render the claims allowable, if available, must be attached. Also, where no copy of the amendments that would render the claims allowable is available, a summary thereof must be attached.)

THE FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP Section 713.04). If a reply to the last Office action has already been filed, APPLICANT IS GIVEN ONE MONTH FROM THIS INTERVIEW DATE, OR THE MAILING DATE OF THIS INTERVIEW SUMMARY FORM, WHICHEVER IS LATER, TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW. See Summary of Record of Interview requirements on reverse side or on attached sheet.

*** Proposed claim 1A (attached hereto) should overcome the rejection under 35 USC § 112, first paragraph, set forth in the outstanding office action.

Examiner Note: You must sign this form unless it is an Attachment to a signed Office action.


 Examiner's signature, if required

Interview October 4, 2005

U.S. S.N.10/806,440
Attorney Docket No. VX042606

CLAIM ADMENDMENT:

1A. (proposed) A low alloyed high speed tool steel, which consists essentially of, by weight %, C: 0.50-0.75%, Si: 0.02-2.00%, Mn: 0.1-3.0%, P: up to 0.050%, S: up to 0.010%, Cr: 5.0-6.0%, W: 0.5-2.0%, V: 0.70-1.25%, Al: up to 0.1%, O: up to 0.01% and N: up to 0.04%, Mo in an amount the satisfying the relationship $[Mo+0.5W]$ (Mo-eq.) is 2.5-5.0%, and the balance of Fe, wherein:

Mo-eq./V is 2-4,

the steel contains carbides of, in the annealed state, $[MC+M_6C]$ and/or $M_{23}C_6(M_7C_3)$, and after quenching from a temperature of 1100-1200°C, substantially no remaining carbide or, even contained, almost all the carbides being of MC,

the steel has a 10R ~~Sharp~~ Charpy impact value equal to or greater than about ~~120~~ 117 to 173 J/cm²,

the steel has a hardness (HRC) equal to or greater than about ~~58~~ 58.3 to ~~61.9~~ 62.6, and

a difference between hardness by oil-quenching and hardness by controlled clenching of the steel is less than or equal to 0.5.

2-9. (no change)